FIG.1

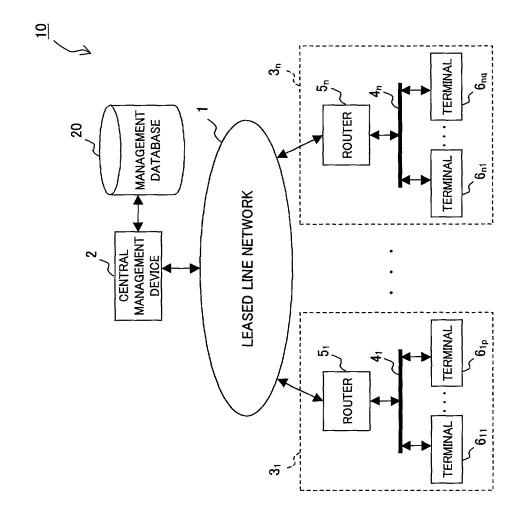


FIG. 2

SECRET CONCEALMENT TERMINAL TABLE

SECRET CONCENENT TERMINATE IN SEC		
ROUTERS	SUBSCRIBER TERMINALS	PARTNER TERMINALS
	TERMINAL 6 ₁₁	TERMINAL 6 ₂₁
	TERMINAL 6 ₁₁	TERMINAL 6 ₂₅
	:	•
ROUTER 5 ₁	TERMINAL 6 ₁₂	TERMINAL 6 ₃₂
	TERMINAL 6 ₁₂	TERMINAL 6 ₄₄
	•	•
	TERMINAL 6 _{1p}	TERMINAL 6 ₂₂
	•	•
ROUTER 5 ₂	•	•
:	•	
ROUTER 5 _n	•	•

FIG. 3A

PUBLIC KEY/SECRET KEY TABLE

ROUTERS	PUBLIC KEYS	SECRET KEYS
CENTRAL MANAGEMENT DEVICE	Kpc	Ksc
ROUTER 5 ₁	Kp1	Ks1
ROUTER 5 ₂	Kp2	Ks2
•	•	•
•	•	•
•	•	•
ROUTER 5 _n	Kpn	Ksn

FIG. 3B

PUBLIC KEY/SECRET KEY TABLE

TOBELO RETYGEORET RET			
ROUTERS	PARTNER ROUTER	PUBLIC KEYS	SECRET KEYS
OFNITDAL	ROUTER 5 ₁	Kpc1	Ksc1
	ROUTER 5 ₂	Kpc2	Ksc2
CENTRAL MANAGEMENT	•	•	•
DEVICE	•	•	
	•	•	•
	ROUTER 5 _n	Kpcn	Kscn
ROUTER 5 ₁	CENTRAL MANAGEMENT DEVICE	Kp1c	Ks1c
	ROUTER 5 ₂	Kp12	Ks12
	•	•	•
			•
	-	<u> </u>	
	ROUTER 5 _n	Kp1n	Ks1n
	•		
	•		•
	•	•	•

FIG. 4A

COMMON KEY TABLE

COMMON KEYS
Kc1
Kc2
-
•

FIG. 4B

COMMON KEY TABLE

COMMON KEYS	ENCRYPTION METHOD
Kc1	M1
Kc2	M2
•	
•	-
•	•

FIG. 5A SECRET CONCEALMENT TERMINAL TABLE

PARTNER TERMINALS
TERMINAL 6 ₂₁
TERMINAL 6 ₂₅
•
•
•
TERMINAL 632
TERMINAL 644
•
•
•
TERMINAL 6 ₂₂
•
•
•

FIG. 5B

PUBLIC KEY/SECRET KEY TABLE

ROUTERS	PUBLIC KEYS	SECRET KEYS
ROUTER 5 ₁	Kp1	Ks1
ROUTER 5 ₂	Kp2	
•		•
	•	•
•	•	•
ROUTER 5 _n	Kpn	
CENTRAL MANAGEMENT DEVICE	Крс	

FIG. 5C

COMMON KEY TABLE

COMMON KEYS
Kc1
Kc2
•
•
•

FIG. 6

PROCESSING OF SOURCE ROUTER

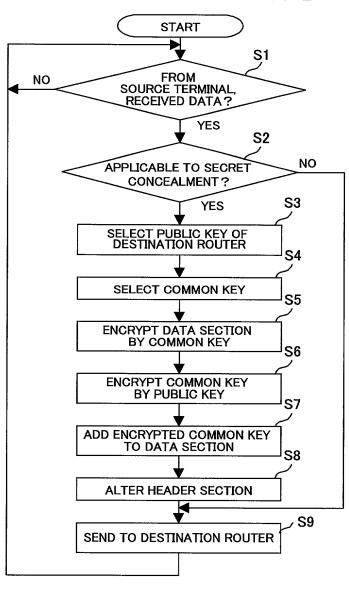


FIG. 7

PROCESSING OF DESTINATION ROUTER

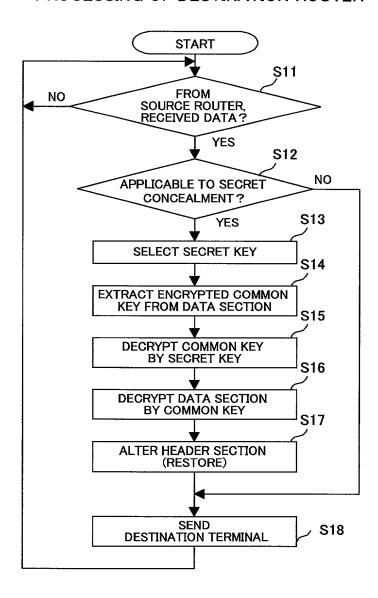


FIG. 8

UPDATING PROCESSING OF TABLE (CENTRAL MANAGEMENT DEVICE)

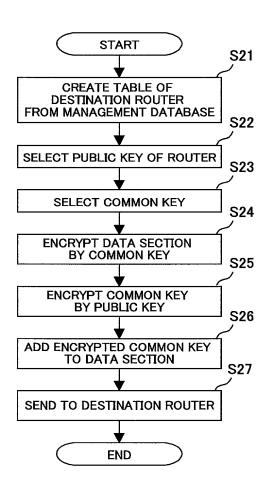


FIG. 9

UPDATING PROCESSING OF TABLE (ROUTER SIDE)

